SEQUENCE LISTING

<110> Arthur B. Raitano Daniel E.H. Afar Aya Jakobovits Mary Faris Rene S. Hubert Steve Chappell Mitchell Douglas C. Saffran <120> NOVEL G PROTEIN-COUPLED RECEPTOR

UP-REGULATED IN PROSTATE CANCER AND USES THEREOF

<130> 129.24USU1 <150> 60/157,902 <151> 1999-10-05

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60

219 ttc atc cta ata ggc ctc cct ggt tta gaa gag gct cag ttc tgg ttg Phe Ile Leu Ile Gly Leu Pro Gly Leu Glu Glu Ala Gln Phe Trp Leu 20

gec ttc cca ttg tgc tcc ctc tac ctt att gct gtg cta ggt aac ttg 267 Ala Phe Pro Leu Cys Ser Leu Tyr Leu Ile Ala Val Leu Gly Asn Leu

aca atc atc tac att gtg cgg act gag cac agc ctg cat gag ccc atg 315 Thr Ile Ile Tyr Ile Val Arg Thr Glu His Ser Leu His Glu Pro Met

tat ata ttt ctt tgc atg ctt tca ggc att gac atc ctc atc tcc acc 363 Tyr Ile Phe Leu Cys Met Leu Ser Gly Ile Asp Ile Leu Ile Ser Thr

tea tee atg eec aaa atg etg gee ate tte tgg tte aat tee act acc 411 Ser Ser Met Pro Lys Met Leu Ala Ile Phe Trp Phe Asn Ser Thr Thr

ate eag tit gat get tgt etg eta eag att tit gee ate eac tee tia 459 Ile Gln Phe Asp Ala Cys Leu Leu Gln Ile Phe Ala Ile His Ser Leu 100

tct Ser 110	ggc Gly	atg Met	gaa Glu	tcc Ser	aca Thr 115	gtg Val	ctg Leu	ctg Leu	gcc Ala	atg Met 120	gct Ala	ttt Phe	gac Asp	cgc Arg	tat Tyr 125	507
gtg Val	gcc Ala	atc Ile	tgt Cys	cac His 130	cca Pro	ctg Leu	cgc Arg	cat His	gcc Ala 135	aca Thr	gta Val	ctt Leu	acg Thr	ttg Leu 140	cct Pro	555
cgt Arg	gtc Val	acc Thr	aaa Lys 145	att Ile	ggt Gly	gtg Val	gct Ala	gct Ala 150	gtg Val	gtg Val	cgg Arg	Gly 999	gct Ala 155	gca Ala	ctg Leu	603
atg Met	gca Ala	ccc Pro 160	ctt Leu	cct Pro	gtc Val	ttc Phe	atc Ile 165	aag Lys	cag Gln	ctg Leu	ccc Pro	ttc Phe 170	tgc Cys	cgc Arg	tcc Ser	651
aat Asn	atc Ile 175	ctt Leu	tcc Ser	cat His	tcc Ser	tac Tyr 180	tgc Cys	cta Leu	cac His	caa Gln	gat Asp 185	gtc Val	atg Met	aag Lys	ctg Leu	699
gcc Ala 190	tgt Cys	gat Asp	gat Asp	atc Ile	cgg Arg 195	gtc Val	aat Asn	gtc Val	gtc Val	tat Tyr 200	ggc Gly	ctt Leu	atc Ile	gtc Val	atc Ile 205	747
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ctt Leu	att Ile	ctt Leu	aag Lys 225	Thr	gtg Val	ttg Leu	ggc	ttg Leu 230	Thr	cgt Arg	gaa Glu	gcc Ala	cag Gln 235	Ala	aag Lys	843
gca Ala	ttt Phe	990 Gly 240	Thr	tgc Cys	gtc Val	tct Ser	cat His 245	Val	tgt Cys	gct Ala	gtg Val	ttc Phe 250	Ile	ttc Phe	tat Tyr	891
gta Val	cct Pro 255	Phe	att : Ile	gga Gly	ttg Leu	tcc Ser 260	Met	gtg Val	cat His	cgc Arg	ttt Phe 265	Ser	aag Lys	cgg Arg	cgt Arg	939
gac Asp 270	Ser	ccg Pro	g ctg Lev	r ccc	gto Val 275	Ile	ttg Leu	gcc Ala	aat Asn	ato Ile 280	: Tyr	ctg Lev	ctg Leu	ıgttı Val	cct Pro 285	987
cct	gtg Val	cto Lev	aac 1 Asr	cca Pro 290) Ile	gtc Val	tat Tyr	gga Gly	gtg Val	. Lys	aca Thr	a aag C Lys	gag Glu	att Ile 300	cga Arg	1035
caç Glr	g cgc	ato Ile	c ctt e Leu 309	ı Arg	t ctt J Leu	ttc Phe	cat His	gtg Val	. Ala	aca Thr	a cad	c gct s Ala	tca Ser 319	Gli	g ccc 1 Pro	1083
tto gat tco	cattt ctcas cattt cattt caags cacag ccaag	tgg aata gcta tac aatg gaat ccac	aaga tgaa cata gtaa ataa atta	acagt actgates gcagt catcs ataaa ggate tgga	eat to get to the tag a to	caga gggg taat aaat agaa gagat agaa	aaaaa gaato cacco catto catto caato aato	aa aa et co et ga ec to et ag ge to aa go	attto actag getto getto getto gegga	cetta gette geet geet aaaa teaaa	a ata ata ata ata ata ata ata ata ata a	aaaaa gttgg tggtt gcacg taact gactt	ata gagg ctac ggca ctcc ccta	caad toti gtta ago aagg toti caga	caatgtt ctcagat cctttgt attactt attctga gaaaata tcagaac agaagaa tgaaaag agcatat	1143 1203 1263 1323 1383 1443 1503 1563 1623 1683

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Arg Thr Glu Arg Ser Leu His Ala Pro Met Tyr Leu Phe Leu Cys Met
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                                    60
Leu Ala Ala Ile Asp Leu Ala Leu Ser Thr Ser Thr Met Pro Lys Ile
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                                  75
Leu Ala Leu Phe Trp Phe Asp Ser Arg Glu Ile Thr Phe Asp Ala Cys
                              90
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Leu Ala Gln Met Phe Phe Ile His Ala Leu Ser Ala Ile Glu Ser Thr
                          105
                                           110
         100
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  115 120
                                        125
Leu Arg His Ala Ala Val Leu Asn Asn Thr Val Thr Val Gln Ile Gly
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                                    140
Met Val Ala Leu Val Arg Gly Ser Leu Phe Phe Phe Pro Leu Pro Leu
                150
                      155 160
Leu Ile Lys Arg Leu Ala Phe Cys His Ser Asn Val Leu Ser His Ser
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Tyr Cys Val His Gln Asp Val Met Lys Leu Ala Tyr Thr Asp Thr Leu
   180 185 190
Pro Asn Val Val Tyr Gly Leu Thr Ala Ile Leu Leu Val Met Gly Val
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195
Asp Val Met Phe Ile Ser Leu Ser Tyr Phe Leu Ile Ile Arg Ala Val
                   215
Leu Gln Leu Pro Ser Lys Ser Glu Arg Ala Lys Ala Phe Gly Thr Cys
                 230
                                  235
Val Ser His Ile Gly Val Val Leu Ala Phe Tyr Val Pro Leu Ile Gly
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             245
Leu Ser Val Val His Arg Phe Gly Asn Ser Leu Asp Pro Ile Val His
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Val Leu Met Gly Asp Val Tyr Leu Leu Leu Pro Pro Val Ile Asn Pro
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Arg Thr Glu Arg Ser Leu His Ala Pro Met Tyr Leu Phe Leu Cys Met
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Leu Ala Ala Ile Asp Leu Ala Leu Ser Thr Ser Thr Met Pro Lys Ile
                                       75
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Leu Ala Leu Phe Trp Phe Asp Ser Arg Glu Ile Ser Ile Glu Ala Cys
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Leu Thr Gln Met Phe Phe Ile His Ala Leu Ser Ala Ile Glu Ser Thr
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Ile Leu Leu Ala Met Ala Phe Asp Arg Tyr Val Ala Ile Cys His Pro
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                            120
Leu Arg His Ala Ala Val Leu Asn Asn Thr Val Thr Ala Gln Ile Gly
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Ile Val Ala Val Val Arg Gly Ser Leu Phe Phe Phe Pro Leu Pro Leu
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Leu Ile Lys Arg Leu Ala Phe Cys His Ser Asn Val Leu Ser His Ser
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                                   170
                165
Tyr Cys Val His Gln Asp Val Met Lys Leu Ala Tyr Ala Asp Thr Leu
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Pro Asn Val Val Tyr Gly Leu Thr Ala Ile Leu Leu Val Met Gly Val
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Asp Val Met Phe Ile Ser Leu Ser Tyr Phe Leu Ile Ile Arg Thr Val
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Leu Gln Leu Pro Ser Lys Ser Glu Arg Ala Lys Ala Phe Gly Thr Cys
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                    230
Val Ser His Ile Gly Val Val Leu Ala Phe Tyr Val Pro Leu Ile Gly
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Leu Ser Val Val His Arg Phe Gly Asn Ser Leu His Pro Ile Val Arg
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Val Val Met Gly Asp Ile Tyr Leu Leu Leu Pro Pro Val Ile Asn Pro
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Ile Ile Tyr Gly Ala Lys Thr Lys Gln Ile Arg Thr Arg Val Leu Ala
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                                                                      240
                                                                      300
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 acatctagag aacatttgcc aaaggcctaa gcacagcaaa ggaaaataaa cacagaatat
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Asn Arg Glu Gly Ile Ser Gly Lys Arg Val Gly Pro Ser Glu Cys Cys
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Lys Lys Lys
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13

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